



CAS Registry Number: 91897-25-5

Molecular Formula: C₁₅H₂₀O₅

Molecular Weight: 280.32

Accurate Mass: 280.131075

Percentage Composition: C 64.27%; H 7.19%; O 28.54%

Biological Source: Isol. from *Xanthium strumarium*, *Nigella damascena* and leaves of *Vicia faba*

Melting Point: Mp 185-187°

>>**Derivative:** 13-Hydroxy

Synonym(s): 13-Hydroxyabscisic acid

CAS Registry Number: 25841-53-6

Molecular Formula: C₁₅H₂₀O₅

Molecular Weight: 280.32

Accurate Mass: 280.131075

Percentage Composition: C 64.27%; H 7.19%; O 28.54%

Biological Source: Constit. of cowpea (*Vigna unguiculata*) fruits

>>**Derivative:** 13-Hydroxy, 3-alcohol

Synonym(s): Pisumic acid

Molecular Formula: C₁₅H₂₂O₅

Molecular Weight: 282.336

Accurate Mass: 282.146725

Percentage Composition: C 63.81%; H 7.85%; O 28.33%

Biological Source: Isol. from peas (*Pisum sativum*) irrigated with (±)-abscisic acid

Other Data: Tentative struct.

>>**Derivative:** 3α-Alcohol

Synonym(s): 4'-Dihydroabscisic acid

CAS Registry Number: 84026-26-6

Molecular Formula: C₁₅H₂₂O₄

Molecular Weight: 266.336

Accurate Mass: 266.15181

Percentage Composition: C 67.65%; H 8.33%; O 24.03%

Biological Source: Isol. from immature seeds of broad bean (*Vicia faba*)

>>**Derivative:** 3β-Alcohol

CAS Registry Number: 85718-96-3

Molecular Formula: C₁₅H₂₂O₄

Molecular Weight: 266.336

Accurate Mass: 266.15181

Percentage Composition: C 67.65%; H 8.33%; O 24.03%

Biological Source: Metab. of *Cercospora* spp. Constit. of various plant spp.

Use/Importance: Precursor of abscisic acid in higher plants

UV: [neutral] λ_{max} 265 () (EtOH) (Berdy)

>>**Derivative:** 13-[(4-Carboxy-3-hydroxy-3-methylbutanoyl)oxy]

see 9'-(3-Hydroxy-3-methylglutaroyloxy)abscisic acid, [LMN59-F](#)

>>**Variant:** (±)-form

CAS Registry Number: 14375-45-2

Molecular Formula: C₁₅H₂₀O₄

Molecular Weight: 264.321

Accurate Mass: 264.13616

Percentage Composition: C 68.16%; H 7.63%; O 24.21%

Melting Point: Mp 188-190°

Sigma: A2784